

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068528.D
 Acq On : 17 Sep 2021 18:41
 Operator : JC/MD
 Sample : M3781-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D4-20210916

Quant Time: Sep 20 03:59:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

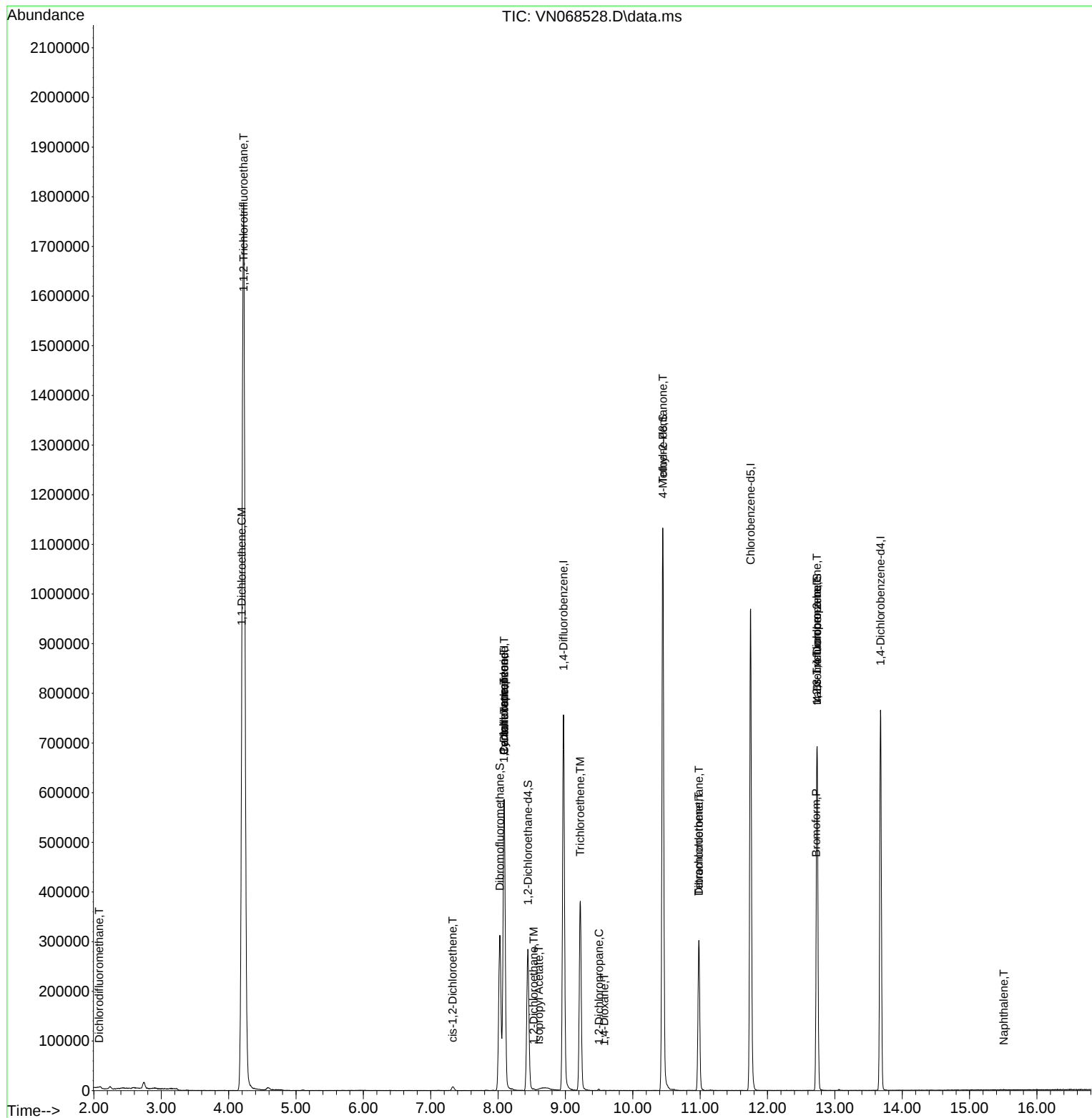
Internal Standards						
1) Pentafluorobenzene	8.091	168	517367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	754885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	643802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	238405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	241859	50.963	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.920%			
35) Dibromofluoromethane	8.027	113	231250	50.791	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.580%			
50) Toluene-d8	10.446	98	874534	47.060	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.120%			
62) 4-Bromofluorobenzene	12.736	95	237216	39.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 78.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.078	85	1059	0.251	ug/l	84
3) Chloromethane	2.311	50	624	Below Cal		99
5) Bromomethane	2.882	94	998	Below Cal		81
9) 1,1,2-Trichlorotrifluo...	4.223	101	1159756	261.212	ug/l	99
12) 1,1-Dichloroethene	4.194	96	5391	1.326	ug/l	82
16) Acetone	4.299	43	465	Below Cal	#	41
18) Methyl Acetate	4.867	43	463	Below Cal	#	45
20) Methylene Chloride	5.101	84	929	Below Cal	#	74
27) cis-1,2-Dichloroethene	7.327	96	2868	0.526	ug/l	39
31) Cyclohexane	8.088	56	8033	1.117	ug/l #	16
36) 1,1-Dichloropropene	8.086	75	30856	4.903	ug/l #	47
38) Carbon Tetrachloride	8.091	117	46763	6.202	ug/l #	16
42) 1,2-Dichloroethane	8.528	62	1434	0.222	ug/l #	73
43) Isopropyl Acetate	8.609	43	1876	0.222	ug/l #	51
44) Trichloroethene	9.220	130	153162	25.967	ug/l	98
45) 1,2-Dichloropropane	9.499	63	1018	0.229	ug/l	95
49) 1,4-Dioxane	9.577	88	243	3.003	ug/l #	39
51) 4-Methyl-2-Pentanone	10.448	43	2933	0.608	ug/l #	1
60) Dibromochloromethane	10.982	129	68365	11.608	ug/l #	11
64) Tetrachloroethene	10.979	164	77975	13.665	ug/l	97
71) Bromoform	12.723	173	525	2.628	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	117941	35.660	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	117941	109.637	ug/l #	13
95) Naphthalene	15.507	128	308	3.527	ug/l #	69

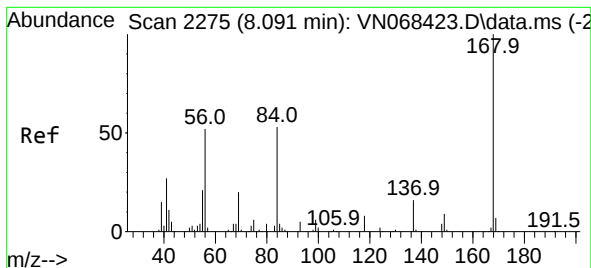
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
Data File : VN068528.D
Acq On : 17 Sep 2021 18:41
Operator : JC/MD
Sample : M3781-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

Quant Time: Sep 20 03:59:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 17 11:02:11 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.000 min

Lab File: VN068528.D

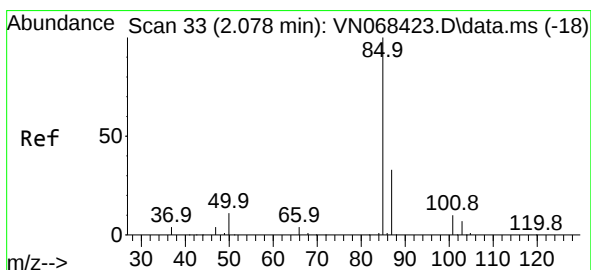
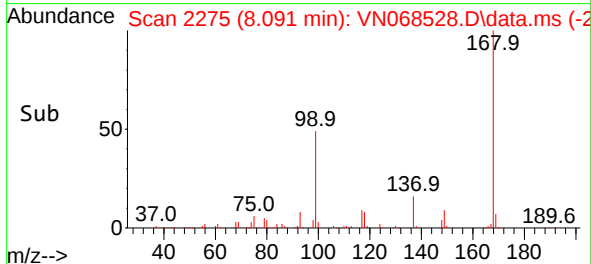
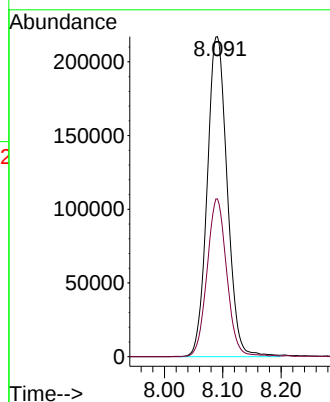
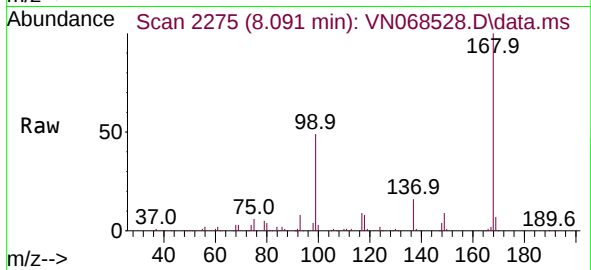
Acq: 17 Sep 2021 18:41

Tgt Ion:168 Resp: 517367

Ion Ratio Lower Upper

168 100

99 49.2 38.2 57.4



#2

Dichlorodifluoromethane

Concen: 0.251 ug/l

RT: 2.078 min Scan# 33

Delta R.T. -0.000 min

Lab File: VN068528.D

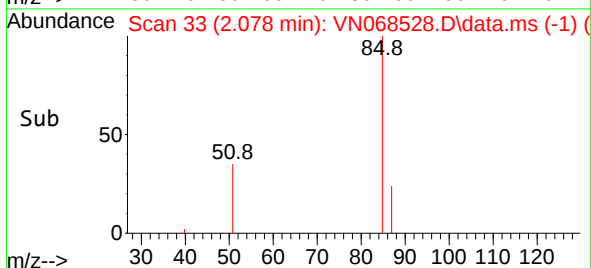
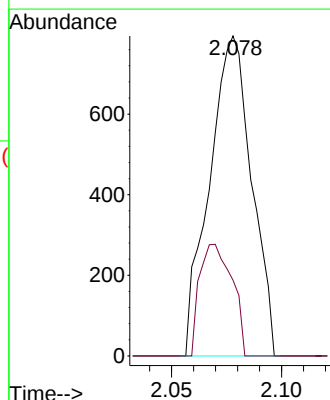
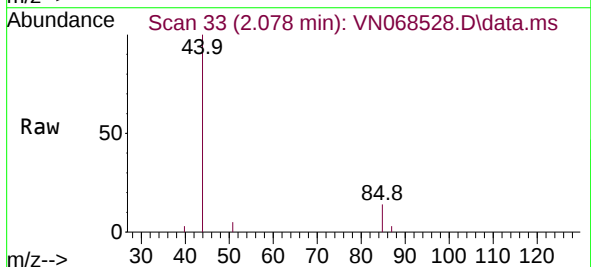
Acq: 17 Sep 2021 18:41

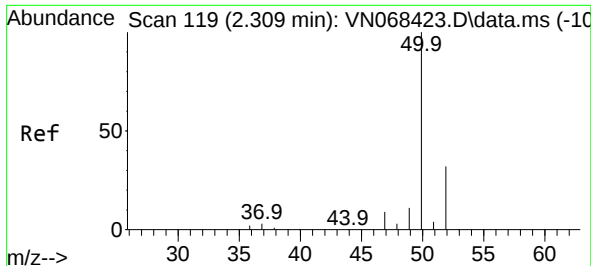
Tgt Ion: 85 Resp: 1059

Ion Ratio Lower Upper

85 100

87 23.7 16.5 49.5





#3

Chloromethane

Concen: Below Cal

RT: 2.311 min Scan# 120

Delta R.T. 0.002 min

Lab File: VN068528.D

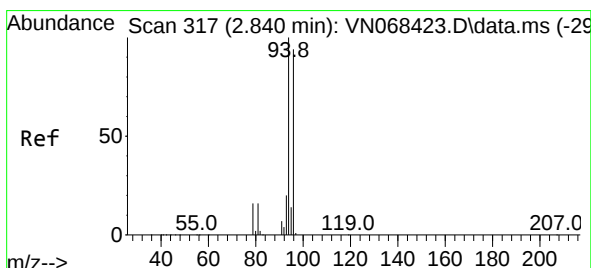
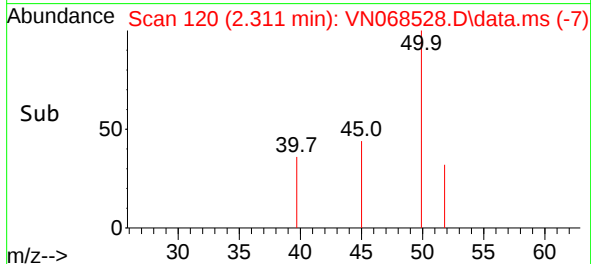
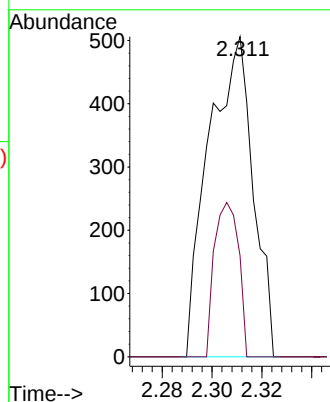
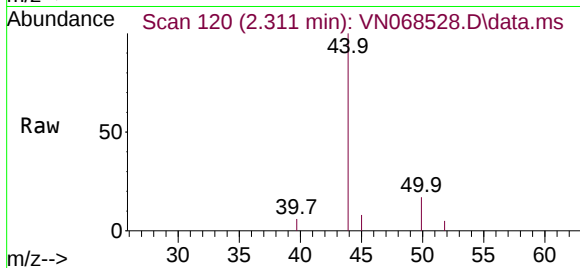
Acq: 17 Sep 2021 18:41

Tgt Ion: 50 Resp: 624

Ion Ratio Lower Upper

50 100

52 31.6 25.8 38.6



#5

Bromomethane

Concen: Below Cal

RT: 2.882 min Scan# 333

Delta R.T. 0.042 min

Lab File: VN068528.D

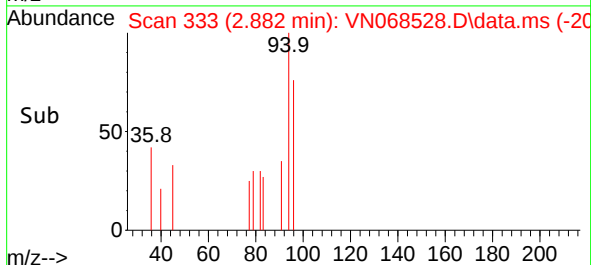
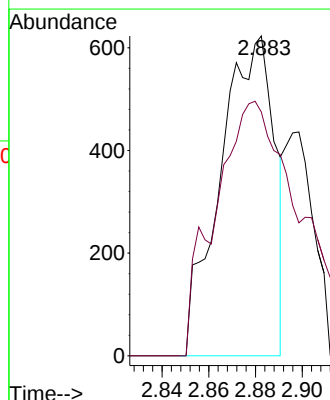
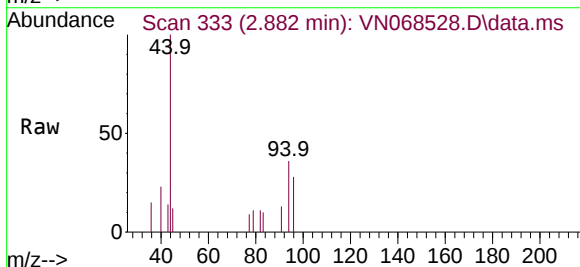
Acq: 17 Sep 2021 18:41

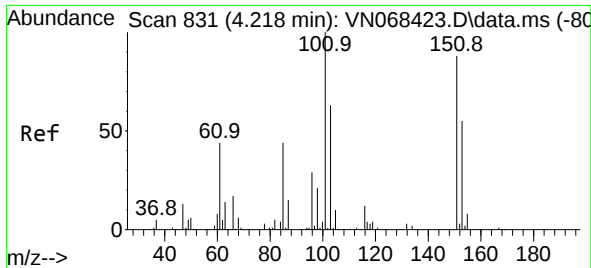
Tgt Ion: 94 Resp: 998

Ion Ratio Lower Upper

94 100

96 76.2 75.4 113.0

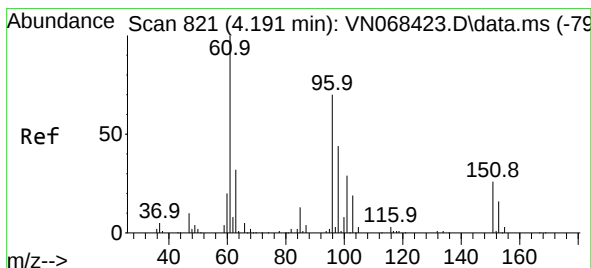
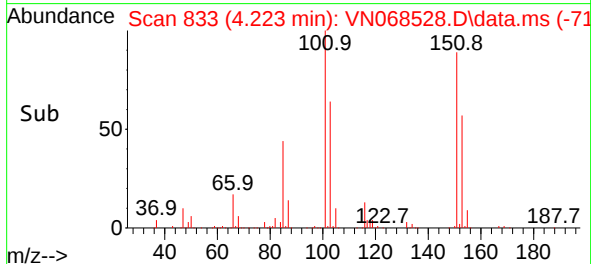
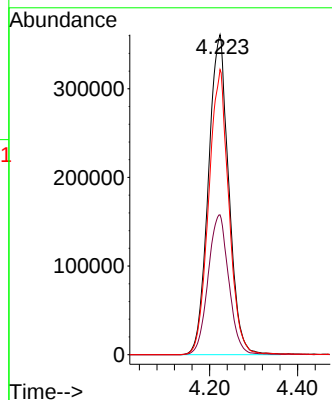
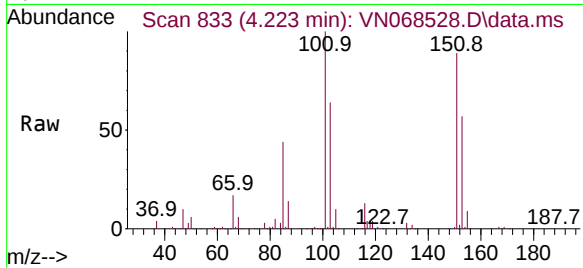




#9
1,1,2-Trichlorotrifluoroethane
Concen: 261.212 ug/l
RT: 4.223 min Scan# 833
Delta R.T. 0.005 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

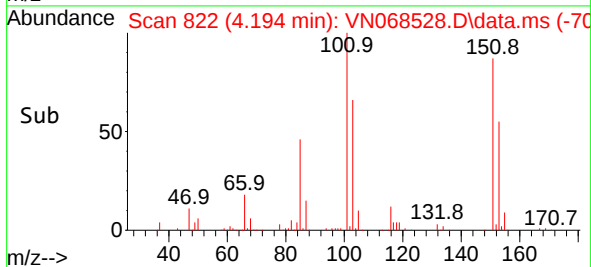
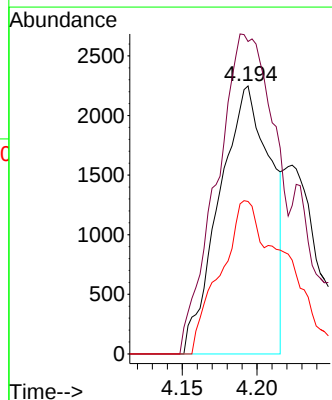
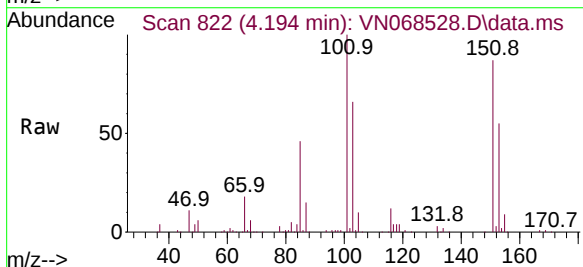
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

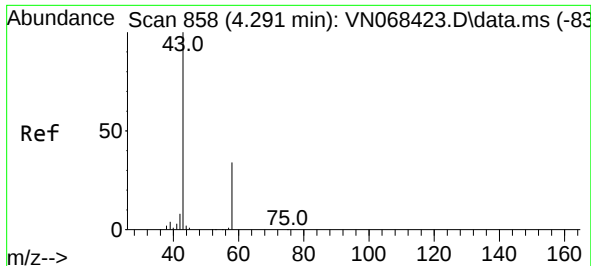
Tgt Ion:101 Resp: 1159756
Ion Ratio Lower Upper
101 100
85 44.3 35.7 53.5
151 87.9 71.6 107.4



#12
1,1-Dichloroethene
Concen: 1.326 ug/l
RT: 4.194 min Scan# 822
Delta R.T. 0.003 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Tgt Ion: 96 Resp: 5391
Ion Ratio Lower Upper
96 100
61 116.6 114.7 172.1
98 56.9 50.9 76.3

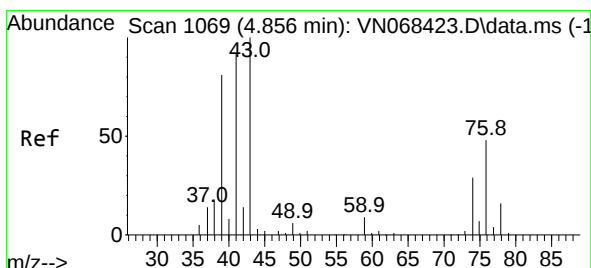
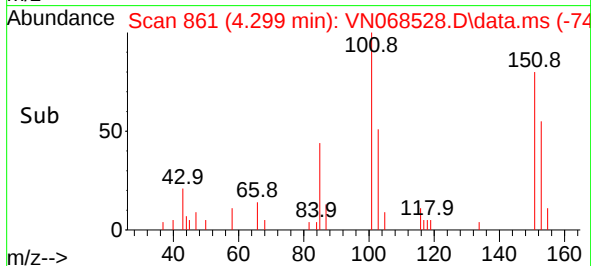
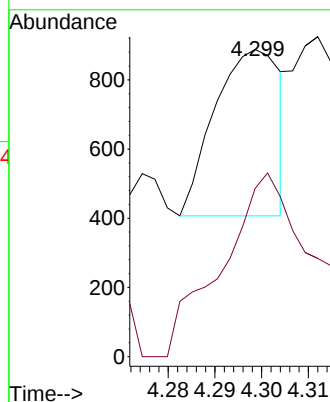
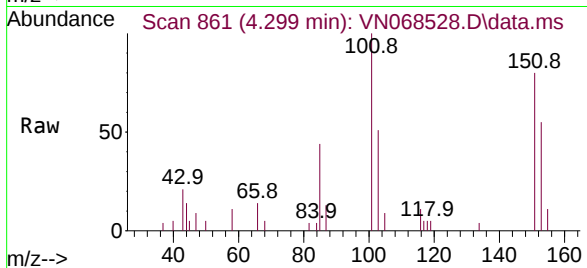




#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

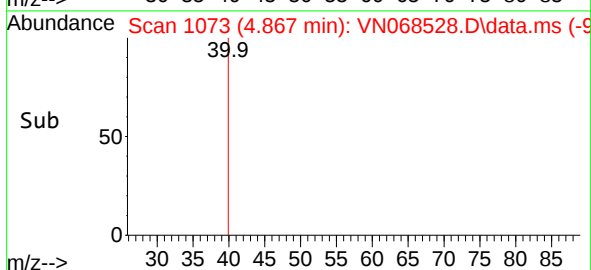
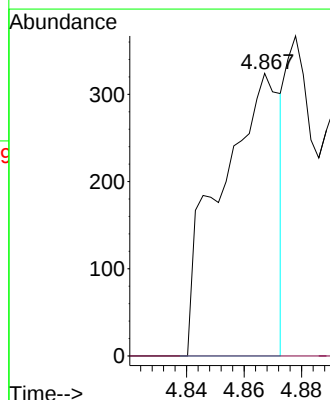
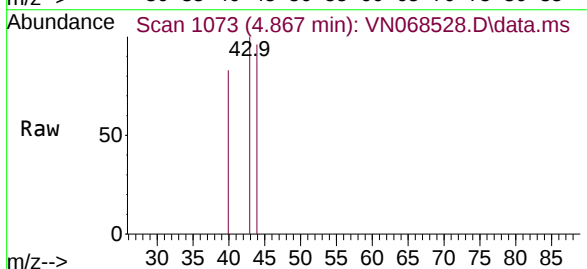
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

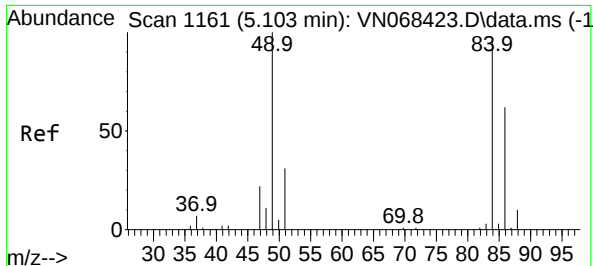
Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
58 67.8 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.011 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Tgt Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.101 min Scan# 1160

Delta R.T. -0.002 min

Lab File: VN068528.D

Acq: 17 Sep 2021 18:41

Instrument :

MSVOA_N

ClientSampleId :

RE134D4-20210916

Tgt Ion: 84 Resp: 929

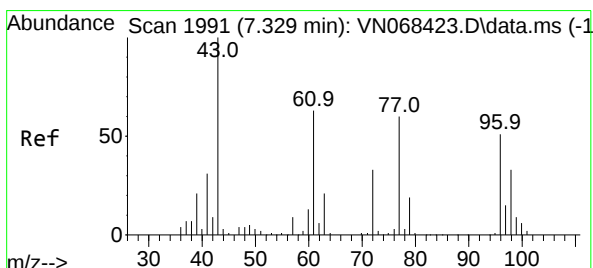
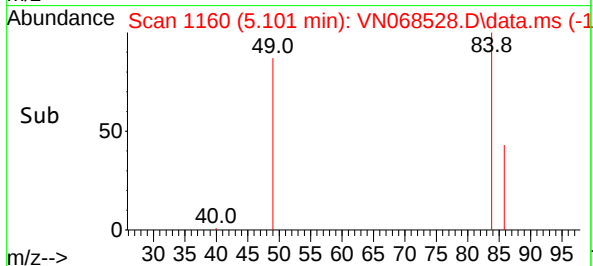
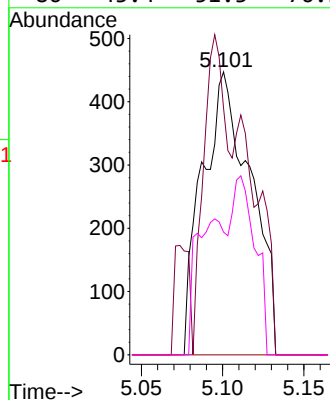
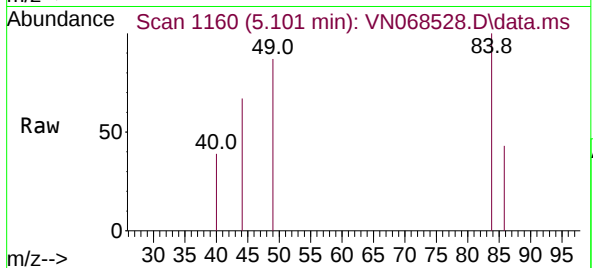
Ion Ratio Lower Upper

84 100

49 87.2 83.0 124.6

51 0.0 25.4 38.0#

86 43.4 51.3 76.9#



#27

cis-1,2-Dichloroethene

Concen: 0.526 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. -0.002 min

Lab File: VN068528.D

Acq: 17 Sep 2021 18:41

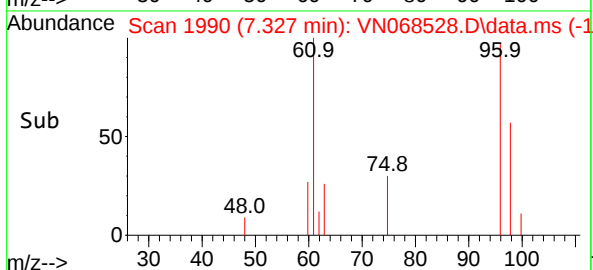
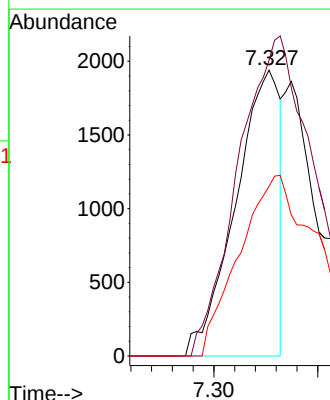
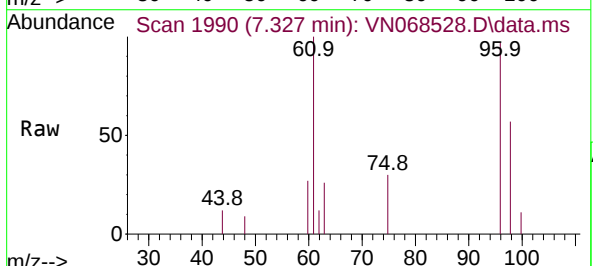
Tgt Ion: 96 Resp: 2868

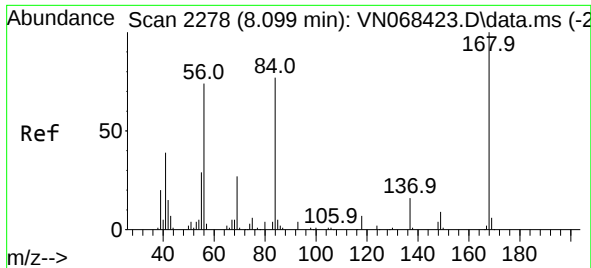
Ion Ratio Lower Upper

96 100

61 194.2 0.0 246.4

98 109.9 0.0 130.4

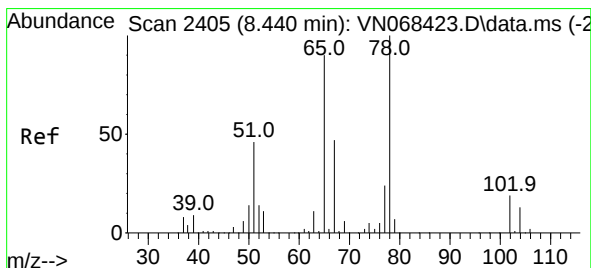
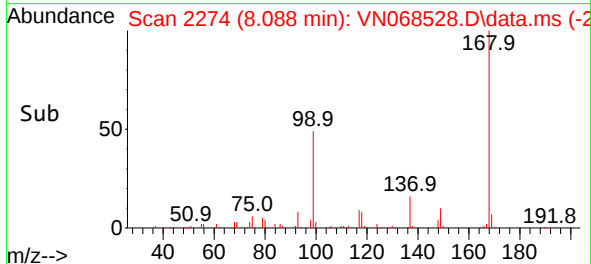
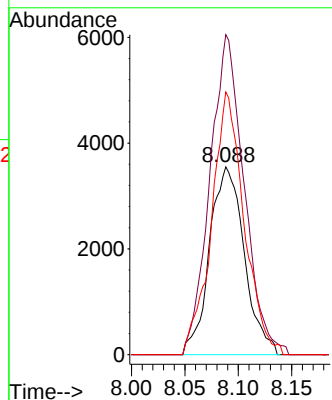
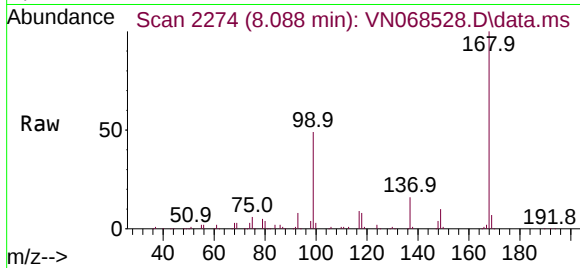




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

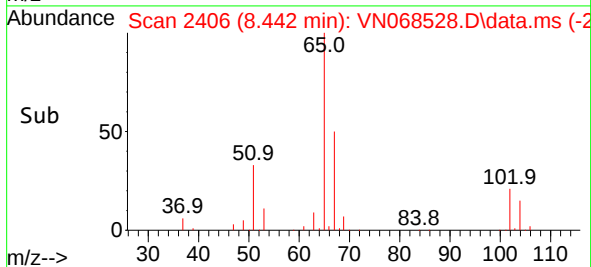
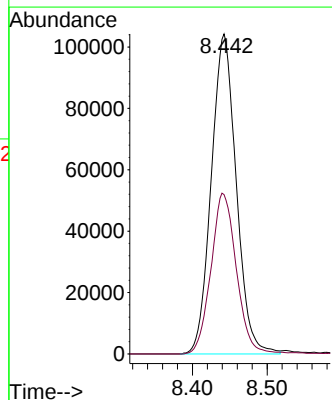
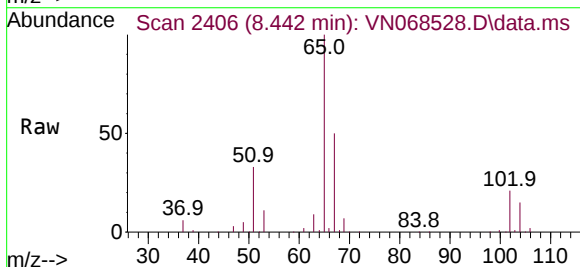
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

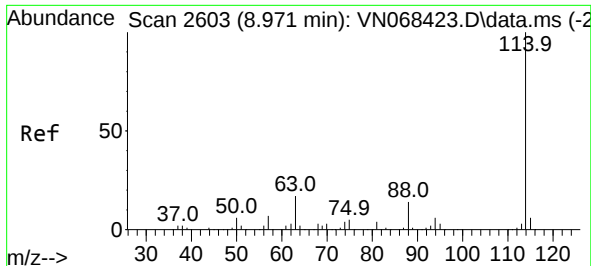
Tgt Ion: 56 Resp: 8033
Ion Ratio Lower Upper
56 100
69 170.3 29.4 44.0#
84 139.9 83.6 125.4#



#33
1,2-Dichloroethane-d4
Concen: 50.963 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Tgt Ion: 65 Resp: 241859
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.0

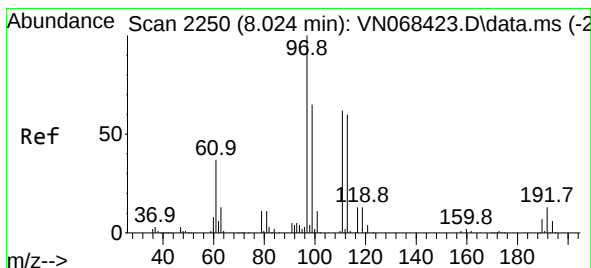
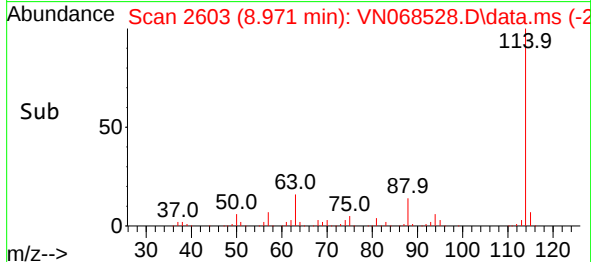
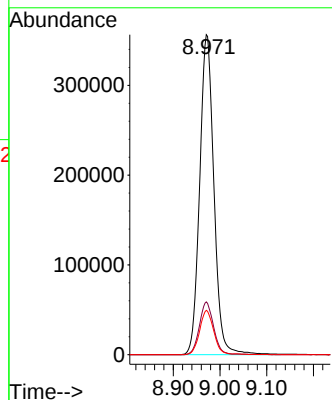
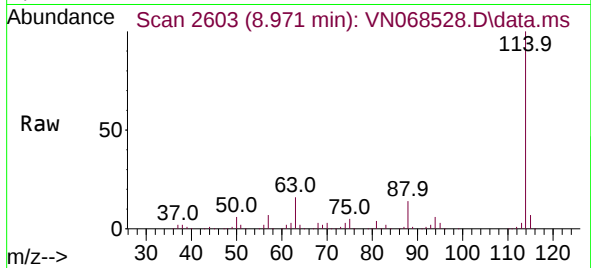




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

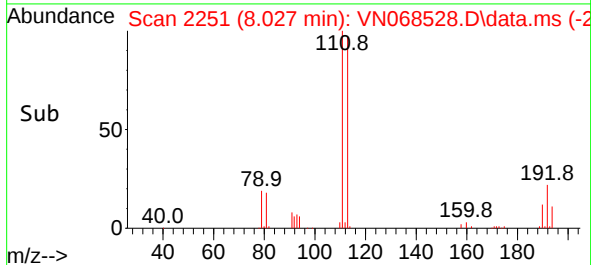
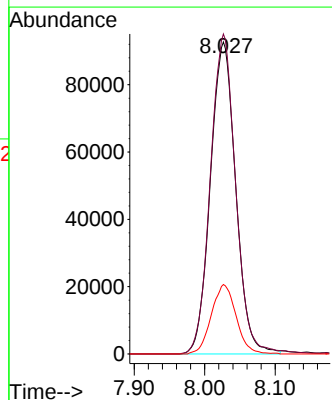
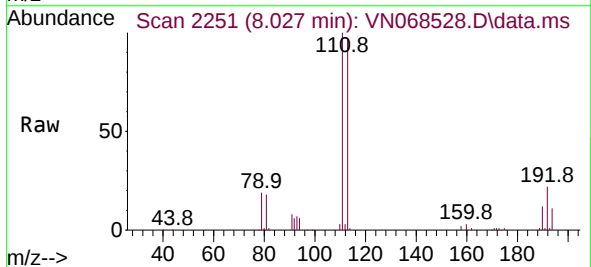
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

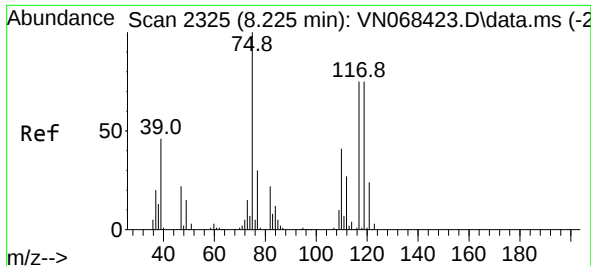
Tgt Ion:114 Resp: 754885
Ion Ratio Lower Upper
114 100
63 16.5 0.0 33.2
88 13.8 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.791 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Tgt Ion:113 Resp: 231250
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 21.8 17.7 26.5

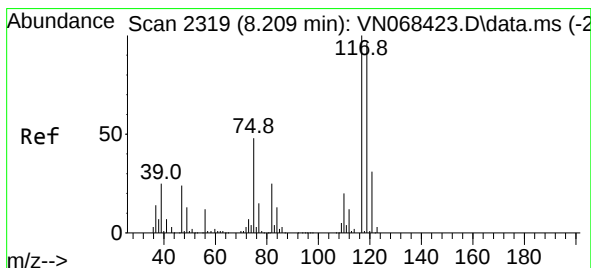
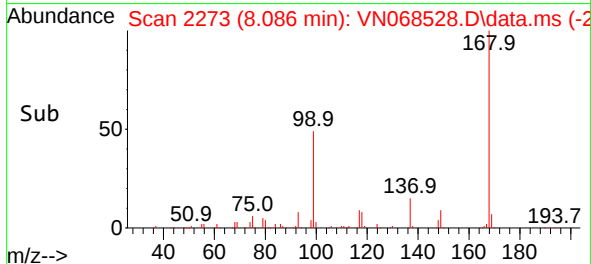
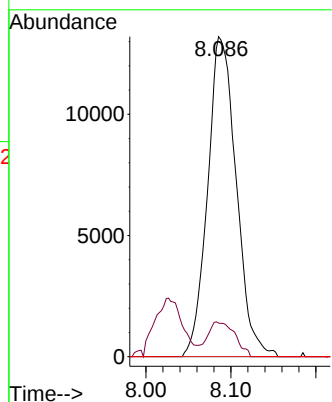
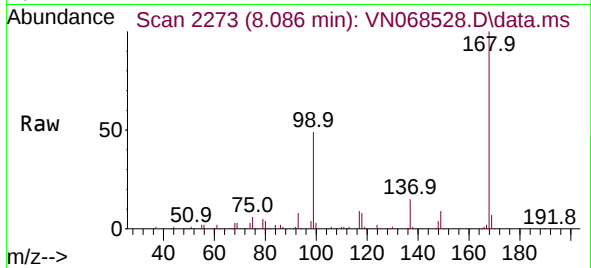




#36
 1,1-Dichloropropene
 Concen: 4.903 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.139 min
 Lab File: VN068528.D
 Acq: 17 Sep 2021 18:41

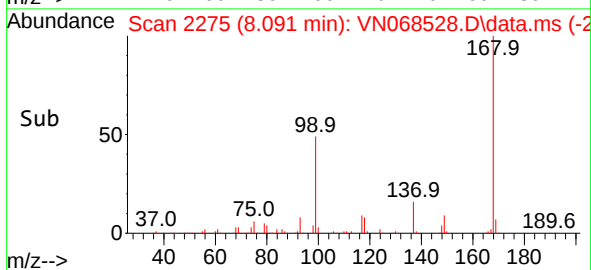
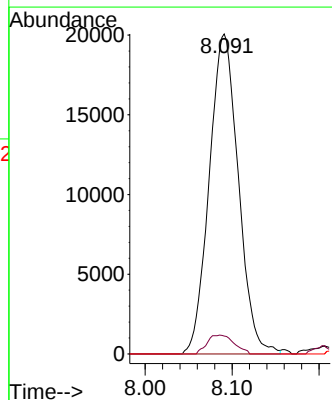
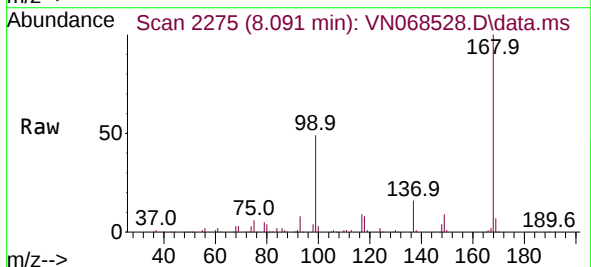
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D4-20210916

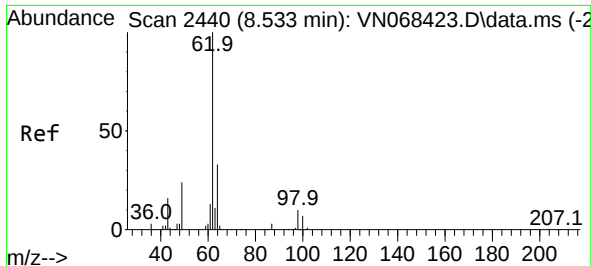
Tgt Ion: 75 Resp: 30856
 Ion Ratio Lower Upper
 75 100
 110 10.3 20.8 62.5#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.202 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.118 min
 Lab File: VN068528.D
 Acq: 17 Sep 2021 18:41

Tgt Ion: 117 Resp: 46763
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.6 114.8#
 121 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 0.222 ug/l

RT: 8.528 min Scan# 2438

Delta R.T. -0.005 min

Lab File: VN068528.D

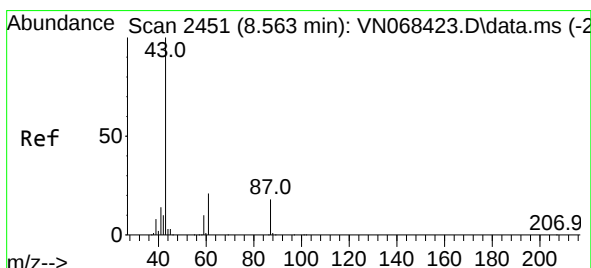
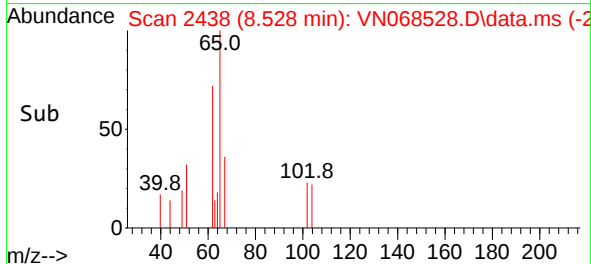
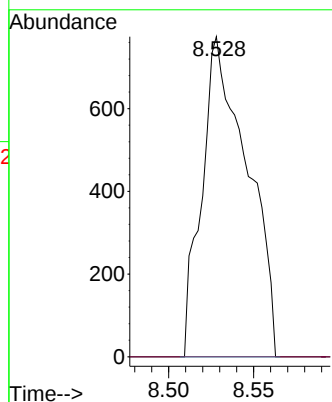
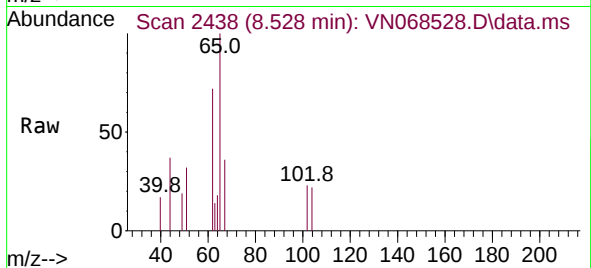
Acq: 17 Sep 2021 18:41

Tgt Ion: 62 Resp: 1434

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#43

Isopropyl Acetate

Concen: 0.222 ug/l

RT: 8.609 min Scan# 2468

Delta R.T. 0.046 min

Lab File: VN068528.D

Acq: 17 Sep 2021 18:41

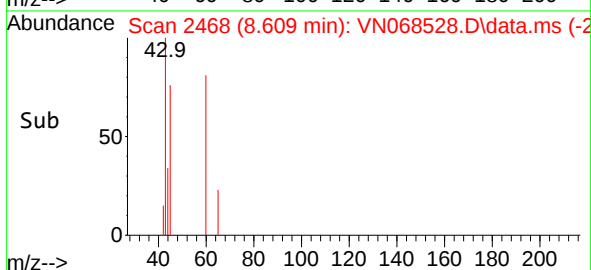
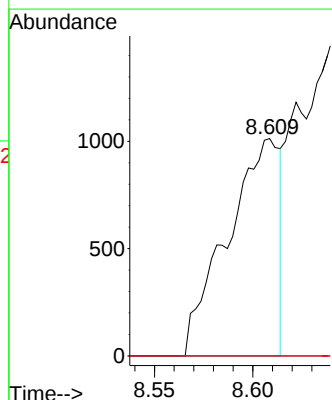
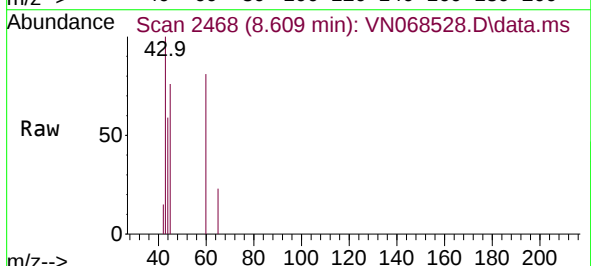
Tgt Ion: 43 Resp: 1876

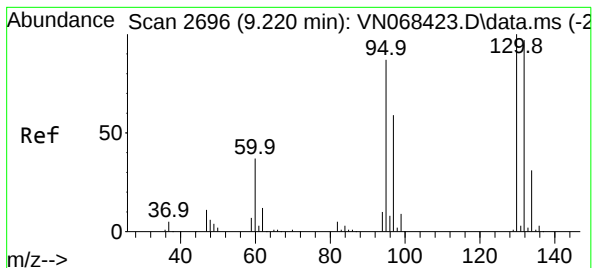
Ion Ratio Lower Upper

43 100

61 0.0 23.3 34.9#

87 0.0 13.8 20.6#





#44

Trichloroethene

Concen: 25.967 ug/l

RT: 9.220 min Scan# 2696

Delta R.T. 0.000 min

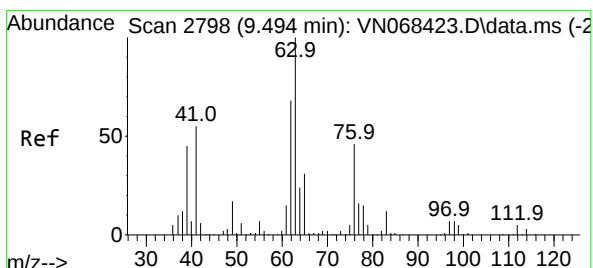
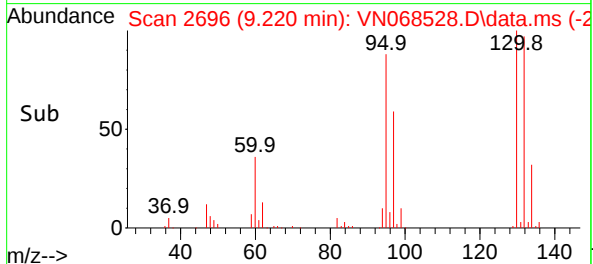
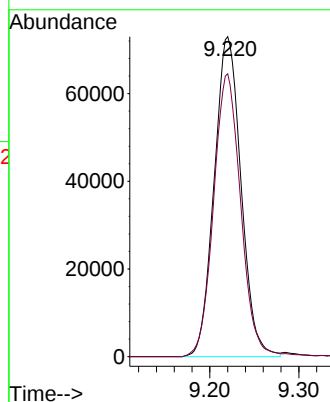
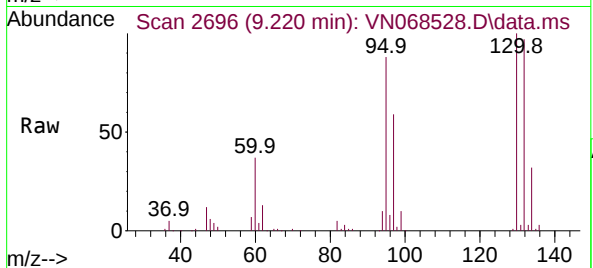
Lab File: VN068528.D

Acq: 17 Sep 2021 18:41

Tgt Ion:130 Resp: 153162

Ion Ratio Lower Upper

130	100		
95	88.4	0.0	173.8



#45

1,2-Dichloropropane

Concen: 0.229 ug/l

RT: 9.499 min Scan# 2800

Delta R.T. 0.005 min

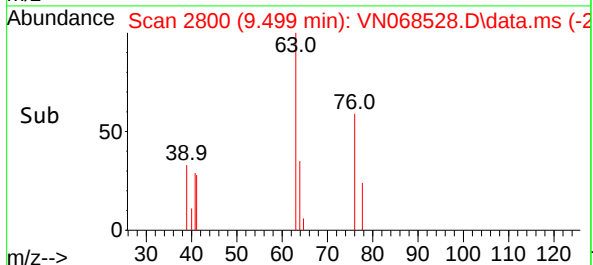
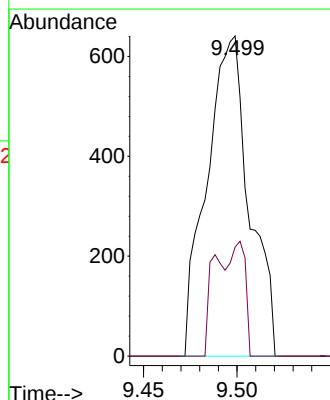
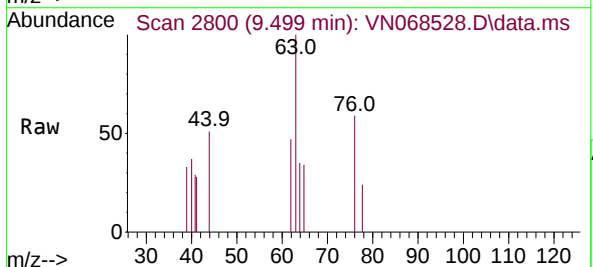
Lab File: VN068528.D

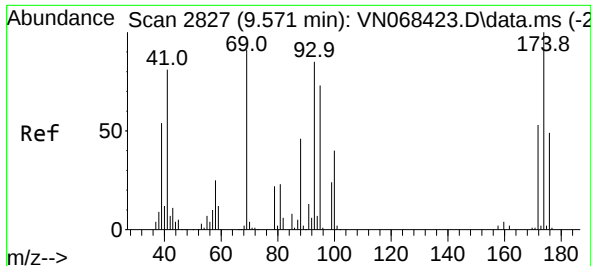
Acq: 17 Sep 2021 18:41

Tgt Ion: 63 Resp: 1018

Ion Ratio Lower Upper

63	100		
65	34.0	24.8	37.2

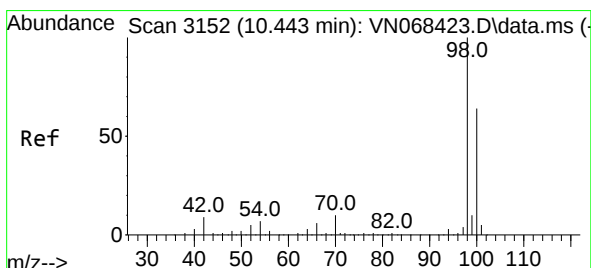
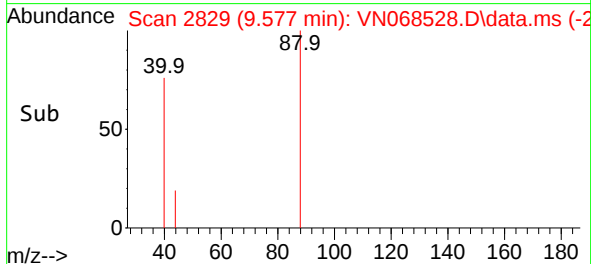
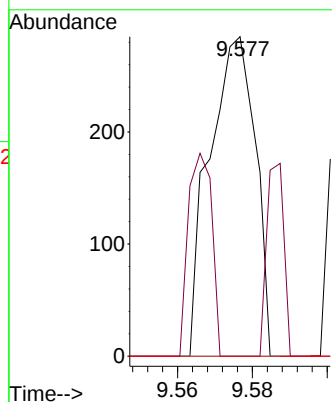
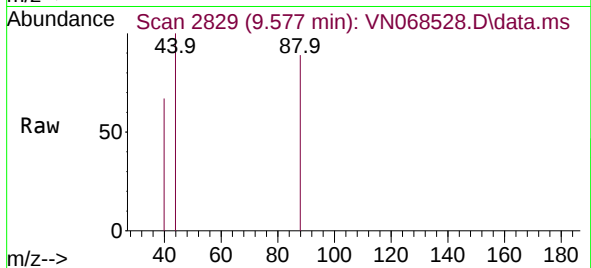




#49
1,4-Dioxane
Concen: 3.003 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

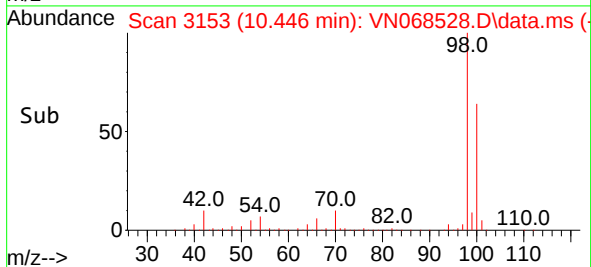
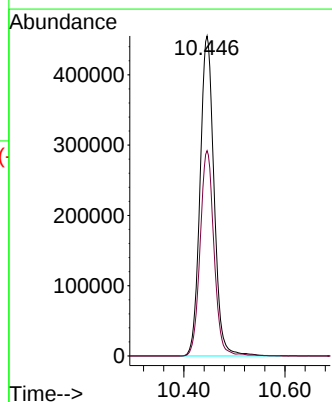
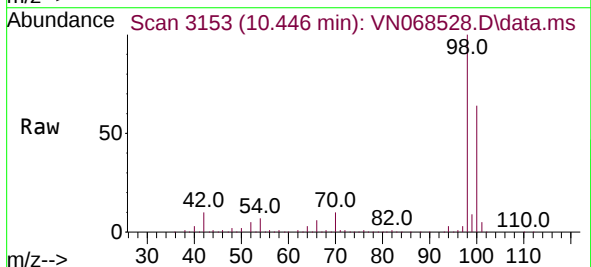
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

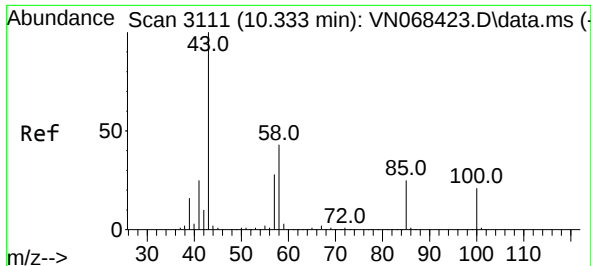
Tgt Ion: 88 Resp: 243
Ion Ratio Lower Upper
88 100
43 32.5 18.9 28.3#
58 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 47.060 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Tgt Ion: 98 Resp: 874534
Ion Ratio Lower Upper
98 100
100 63.3 51.0 76.6

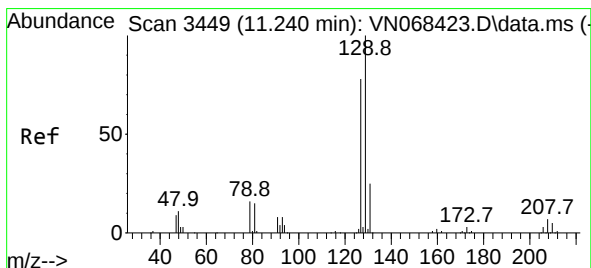
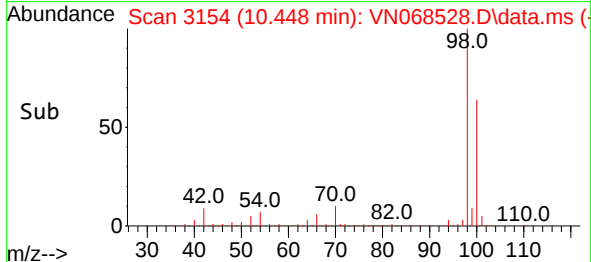
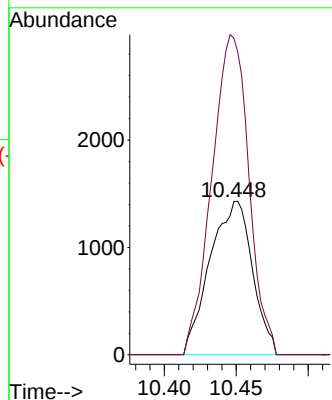
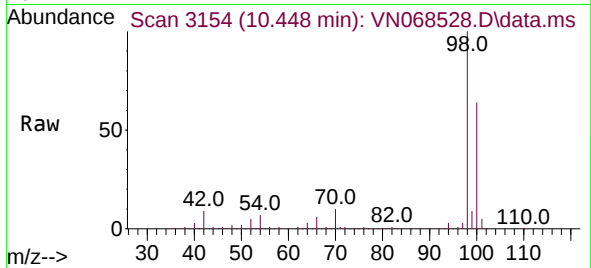




#51
4-Methyl-2-Pentanone
Concen: 0.608 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.115 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

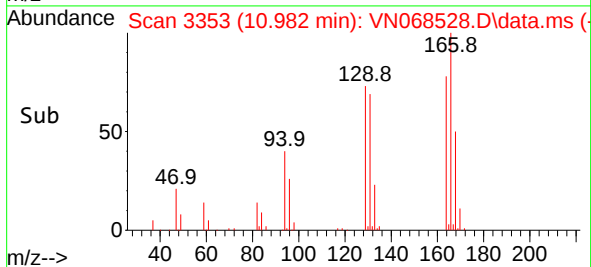
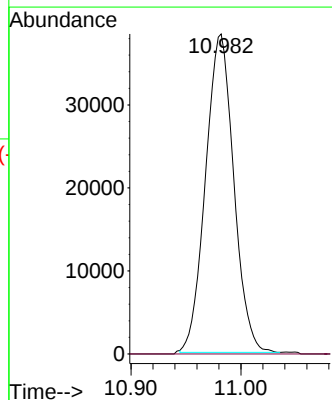
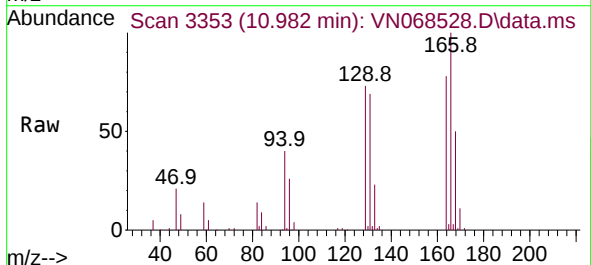
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

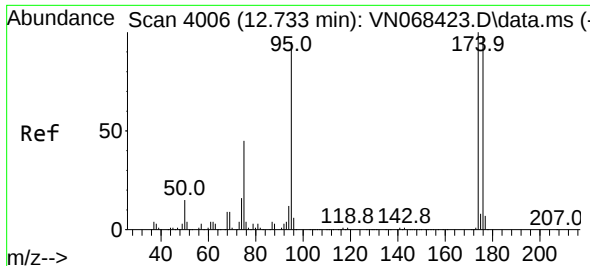
Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
58 182.0 34.3 51.5#



#60
Dibromochloromethane
Concen: 11.608 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Tgt Ion: 129 Resp: 68365
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

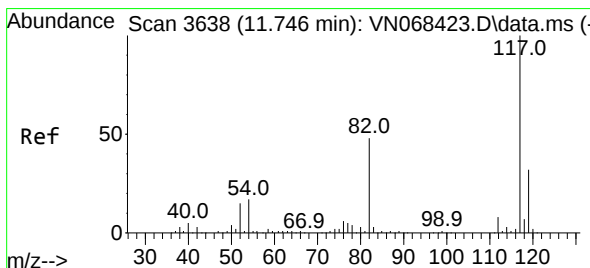
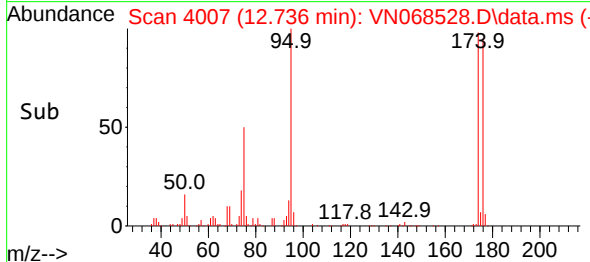
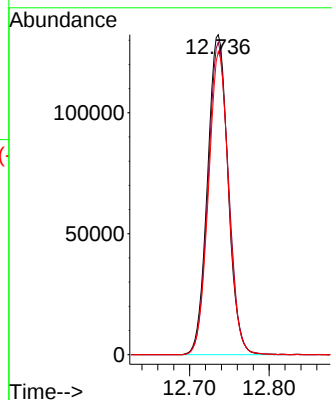
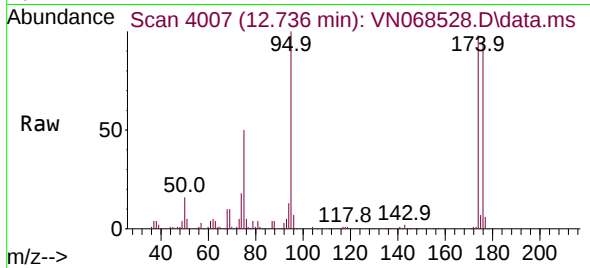




#62
4-Bromofluorobenzene
Concen: 39.491 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

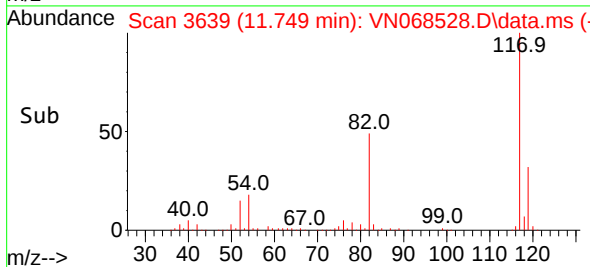
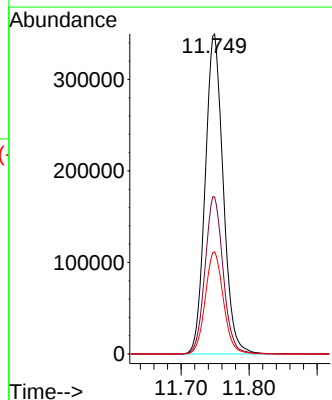
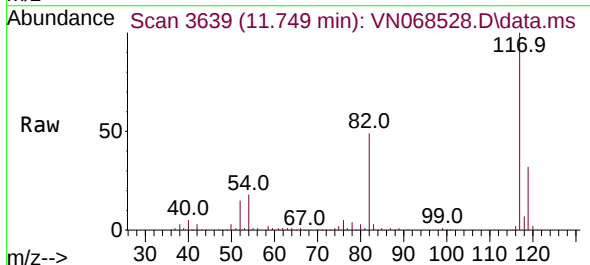
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

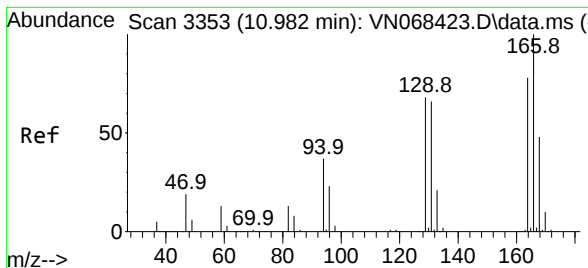
Tgt Ion: 95 Resp: 237216
Ion Ratio Lower Upper
95 100
174 97.4 0.0 214.0
176 92.9 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Tgt Ion: 117 Resp: 643802
Ion Ratio Lower Upper
117 100
82 49.1 38.7 58.1
119 31.9 25.5 38.3

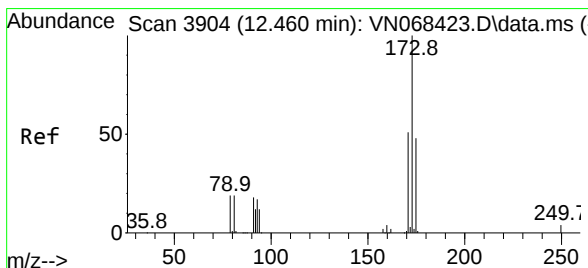
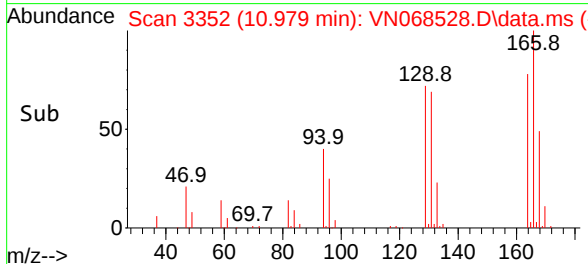
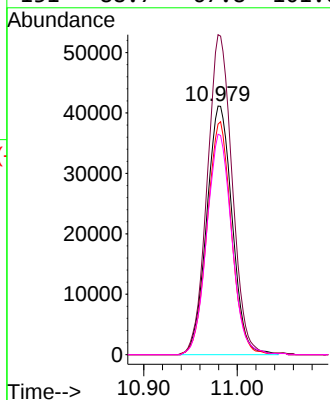
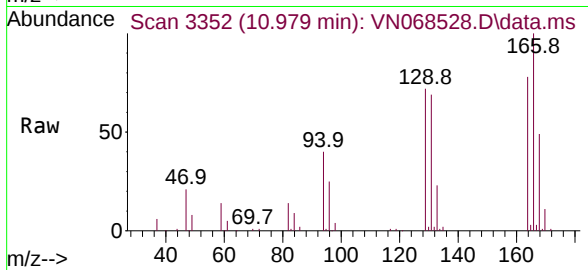




#64
Tetrachloroethene
Concen: 13.665 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.003 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

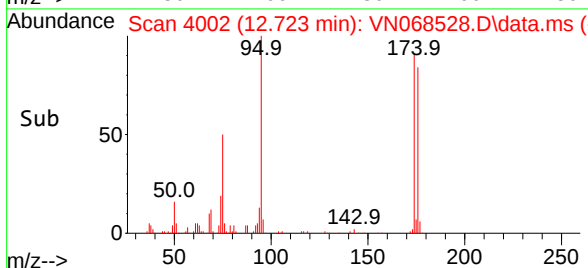
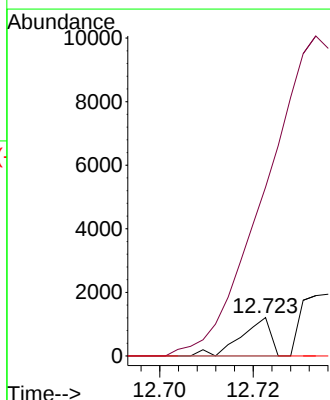
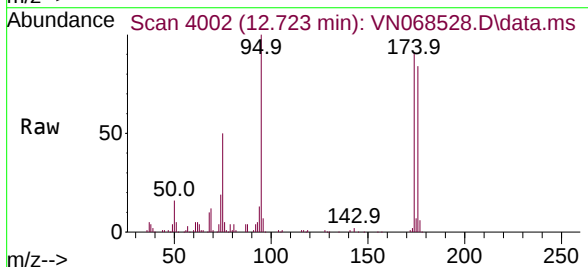
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

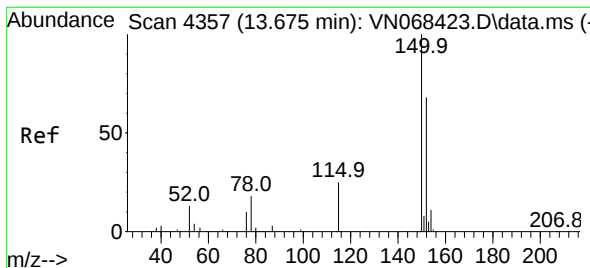
Tgt Ion:164 Resp: 77975
Ion Ratio Lower Upper
164 100
166 128.7 102.9 154.3
129 92.7 70.1 105.1
131 88.7 67.8 101.6



#71
Bromoform
Concen: 2.628 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

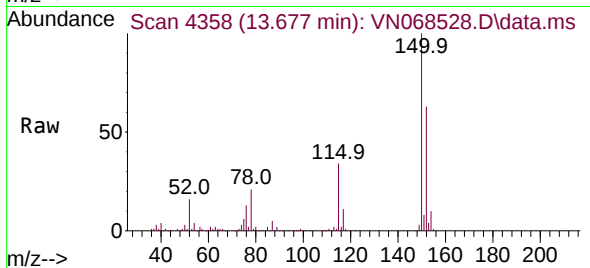
Tgt Ion:173 Resp: 525
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



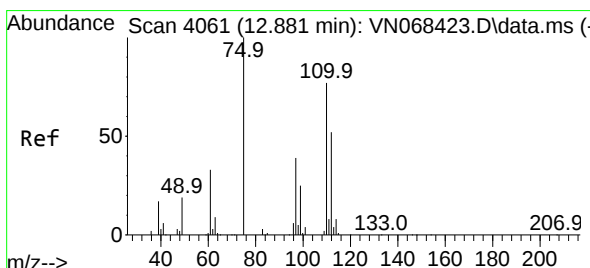
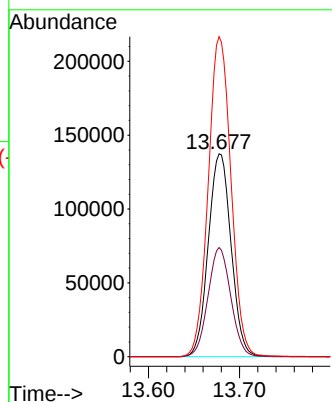
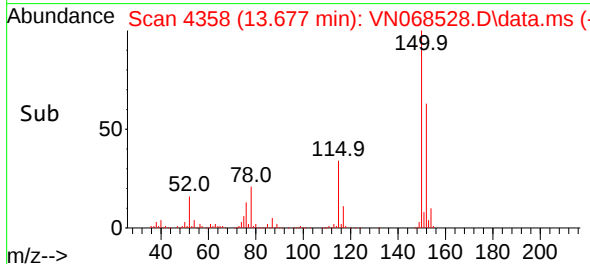


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN068528.D
 Acq: 17 Sep 2021 18:41

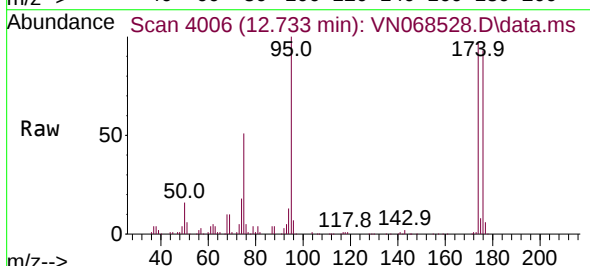
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D4-20210916



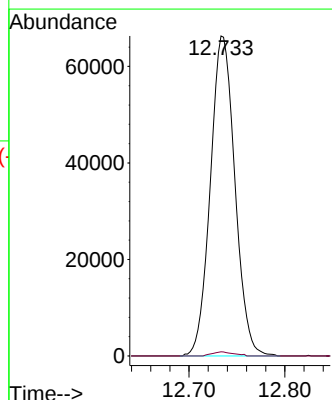
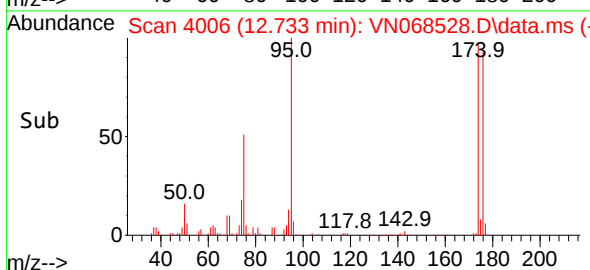
Tgt Ion:152 Resp: 238405
 Ion Ratio Lower Upper
 152 100
 115 53.8 25.6 76.6
 150 157.5 0.0 346.8

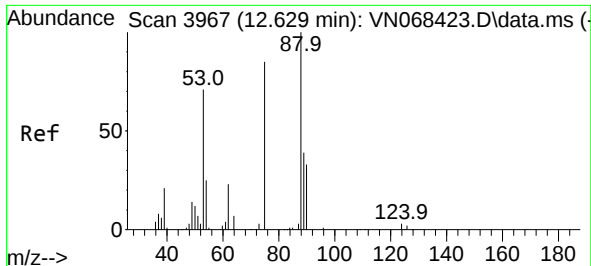


#76
 1,2,3-Trichloropropane
 Concen: 35.660 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN068528.D
 Acq: 17 Sep 2021 18:41



Tgt Ion: 75 Resp: 117941
 Ion Ratio Lower Upper
 75 100
 77 1.1 100.9 302.7#

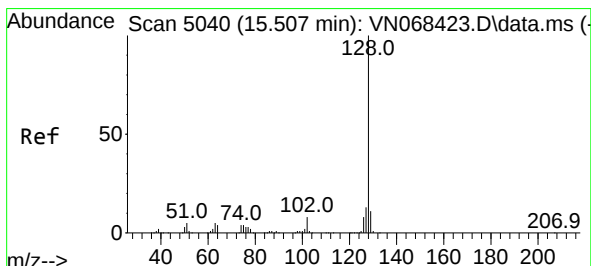
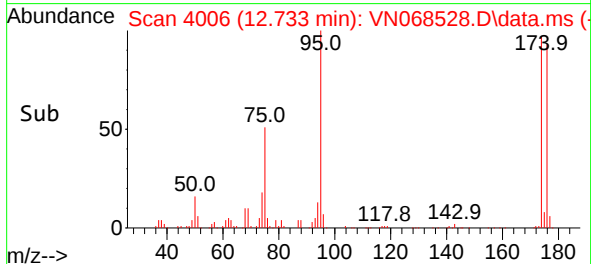
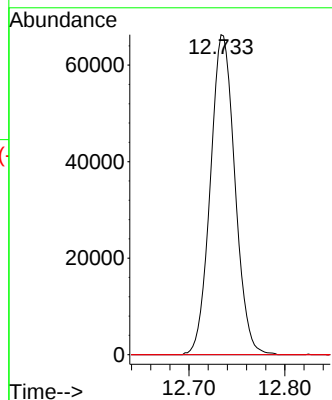
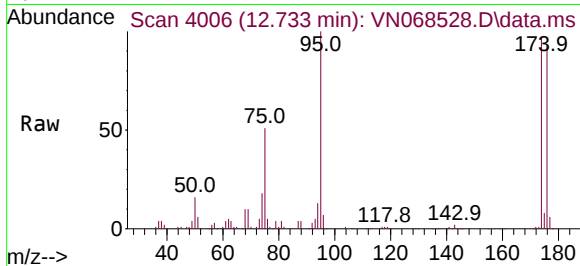




#81
trans-1,4-Dichloro-2-butene
Concen: 109.637 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916

Tgt Ion: 75 Resp: 117941
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 3.527 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068528.D
Acq: 17 Sep 2021 18:41

Tgt Ion:128 Resp: 308
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

